



INDOFIL INDUSTRIES LIMITED
 KOLSHET, OFF SWAMI VIVEKANAND ROAD,
 AZAD NAGAR, SANDOZ BAUG P.O.,
 THANE – 400 607. MAHARASHTRA (INDIA)1
 TEL. NO. : 00-91-22-6799 9100
 FAX NO. : 00-91-22-2589 83 57 / 59

2-R&D-MSDS-AGRO-FP-440

MATERIAL SAFETY DATA SHEET

SECTION 1. PRODUCT IDENTIFICATION		
Chemical Name	Acetamiprid 20 SP (E)-N-[(6- chloro-3-pyridinyl)methyl]-N'-cyano-N-Methylethanimidamide	Company Identification INDOFIL INDUSTRIES LIMITED KOLSHET, OFF SWAMI VIVEKANAND ROAD, AZAD NAGAR, SANDOZ BAUG P.O., THANE – 400 607. MAHARASHTRA (INDIA) TEL. NO. : 00-91-22-6799 9100 FAX NO. : 00-91-22-2589 83 57 / 59
Trade Name		
Synonyms	Acetamiprid 20 SP	Chemical classification: Pyridylmethylamine Insecticide
IUPAC	----	
CAS Number	135410-20-7	Class: INSECTICIDE
Formula	C ₁₀ H ₁₁ Cl N ₄	

SECTION 2. COMPOSITION / INFORMATION OF INGREDIENTS

COMPONENT NAME	CAS REGISTRY NO	CONCENTRATION
Acetamiprid	135410-20-7	20%
Carriers	-----	80%

SECTION 3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state : Powder
 Appearance : Odorless
 Odor threshold : N.A.

Harmful or fatal if swallowed - can enter lungs and cause damage
 Contact can cause eye or skin irritation

IMMEDIATE HEALTH EFFECTS

Eye contact	This material can cause eye irritation with tearing, redness or a stinging or burning feeling. .
Skin contact	Prolonged or repeated skin contact may cause irritation.
Ingestion	Swallowing this material may be harmful. Swallowing this material may cause stomach or intestinal upset with pain , nausea , and / or diarrhea. This material can get into the lungs during swallowing or vomiting. Ingestion can cause temporary CNS depression, drowsiness, and changes in the liver and weight loss.
Inhalation	Breathing high concentrations may be harmful. Inhalation can cause irritation of nose and throat

DELAYED OR OTHER HEALTH EFFECTS

Target organs	-----
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An "X" in the box adjacent to the hazard title indicates OSHA Hazard classification. If no "X" is present, the product does not exhibit the hazard as defined in the OSHA Hazard Communication standard (29 CFR 1910.1200)

OSHA Health Hazard Classification	OSHA Physical Hazard Classification
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Toxic <input type="checkbox"/>	Highly Toxic <input type="checkbox"/>	Flammable <input type="checkbox"/>	Oxidizer <input type="checkbox"/>
Irritant <input type="checkbox"/>	Sensitizer <input type="checkbox"/>	Combustible <input type="checkbox"/>	
Corrosive <input type="checkbox"/>	Carcinogenic <input type="checkbox"/>	Explosive <input type="checkbox"/>	Organic Peroxide <input type="checkbox"/>
		Pyrophoric <input type="checkbox"/>	unstable <input type="checkbox"/>
		Organic peroxide <input type="checkbox"/>	water-reactive <input type="checkbox"/>

SECTION 4 : FIRST AID MEASURES

Eye	Wash eyes immediately with large amount of water
Skin	Promptly wash the contaminated skin using soap or water, remove the affected clothing promptly and wash the skin with soap and water.
Ingestion	If swallowed, repeatedly induce vomiting by giving the victim a tablespoon of salt in a glass of warm water until vomit fluids is clear.
Inhalation	Remove the exposed person from the area to the fresh air. Perform artificial respiration.
Notes to physician	Atorpine tab / injection. Treat symptomatically
Symptoms of poisoning	Headache, nausea, vomiting, doziness, tremors possibly with diarrhea.

SECTION 5 : FIRE FIGHTING MEASURES

NFPA Flammability	-----
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Classification	
NFPA RATINGS	Health: 1 Flammability :1 Reactivity: 1
OSHA classification	
Flash point	NA
Flammability (Explosive limits)	NA
Auto ignition Temperature	NA
Hazardous Combustion products	May emits toxic fumes
Extinguishing Media	Small fire : Use dry chemicals , carbon dioxide , foam, Large fire : Use Foam , dry chemicals, carbon dioxide
Protection of Fire Fighters	Wear NIOSH / MSHA approved self-contained breathing apparatus and full protective clothing.
Special Properties	Unusual fire and explosion hazards In fire situations, toxic oxides of nitrogen, ethylene thiourea.
SECTION 6 : ACCIDENTAL RELEASE MEASURES	
Protective Measures	Eliminate all sources of ignition in the vicinity of the spill. If this material is released into the work area, evacuate the area immediately.
Spill Management	Wash the area with water

SECTION 7 : HANDLING AND STORAGE

Handling	<p>A spill can cause an immediate fire or explosion hazard. Keep containers closed and do not handle or store near heat, sparks or any other potential ignition sources. Use only with adequate ventilation and personal protection. Avoid contact with eyes, skin, and clothing. Prevent contact with food and tobacco products. Do not reuse empty bag</p> <p>When performing repairs and maintenance on contaminated equipment, Keep unnecessary persons away from area. Eliminate all potential ignition sources. Use gloves constructed of impervious materials and protective clothing if direct contact is anticipated. Provide adequate ventilation. Promptly remove contaminated clothing. Wash exposed skin thoroughly with soap and water after handling.</p>
Storage	<p>Storage temperature maximum 40°C Do not storage at < 0°C Provide mechanical local exhaust at point of contaminant (vapor or mist) release</p>

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering	Provide exhaust ventilation or other engineering controls. An emergency
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controls	eye wash station and safety shower should be located near the work-station .
Personal Protective Equipment	<p>Eye Protection: Wear eye protection such as safety glasses, chemical goggles, or face shields if engineering controls or work practices are not adequate to prevent eye contact. Contact lenses should not be worn when working with this chemical</p> <p>Hand protection: Avoid skin contact .Use gloves. Wash hands with plenty of mild soap and water before eating, drinking, use of toilet facilities or leaving work.</p> <p>Body protection: Avoid skin contact. Wear long-sleeved fire-retardant garments. Additional chemical-resistant protective gear may be required. This may include an apron, boots and additional facial protection.</p> <p>Respiratory Protection: Dust / mist filtering respirator or a NIOSH approved respirator .</p> <p>Work practices: users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside . Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash outside of gloves before removing. As soon as possible wash thoroughly and change into clean clothing. Deluge safety shower and eye wash station should be located in work area</p>

Occupational exposure limits

Component	Limit		
(E)-N-[(6-chloro-3-pyridinyl)methyl]-N'-cyano-N-Methylethanimidamide	NA		

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Powder	Colour	Light Blue
Odor	Odorless	PH	NA
Specific gravity (water=1)	--	Solubility in water	Soluble
Vapor pressure @ (mm Hg)	NA	Vapor density	NA
Viscosity	NA	Boiling point	NA
Melting point	98-99°C	Active matter	Acetamiprid Technical

SECTION 10: STABILITY AND REACTIVITY	
Chemical stability	Stable
Conditions to Avoid	Alkali, Heat & Moisture
Material Incompatibility	Alkali Material
Hazardous Decomposition Products	Hazardous product of combustion : May emits toxic fumes
Hazardous Polymerization	Strong Acids

SECTION 11: TOXICOLOGICAL INFORMATION	
Acute Oral toxicity	417 mg/kg (oral-rat)
Acute Dermal toxicity	LD50>2000 mg/kg (rat)
Acute Inhalation toxicity	LC50 2.88mg/l (rat)
Eye irritation: This material is irritating to the eyes Skin irritation: This material is irritating to the skin	

SECTION 12: ECOLOGICAL INFORMATION	
Ecotoxicity	Contamination of both terrestrial and marine environments should be avoided
Environmental fate	No data

SECTION 13: DISPOSAL CONSIDERATIONS	
Discard with normal trash or landfill according to local, state and federal regulations.	

SECTION 14 : TRANSPORT INFORMATION	
	Not regulated as a hazardous material by any mode of transportation. It is not a marine pollutant. Export water (IMO) : Not regulated Air (ICAO / IATA) : Not regulated
DOT Shipping Name	Not regulated
DOT Hazard class	Not regulated
DOT identification number	No data
DOT packing Group	No data
DOT additional information	No data

SECTION 15: REGULATORY INFORMATION	
TSCA Inventory	No data
SARA 311/312 Hazard Identification	Immediate (acute) health effects: yes Delayed (chronic) health effects : yes Reactive: yes This product contains the substances subject to the reporting requirements of SARA title 3 , section 313 and 40 CFR part 372.
SARA 302/304 Emergency planning and notification	No data
SARA 313 Toxic chemical notification and Release reporting	This product contains the following components in concentrations above that are listed as toxic chemicals in 40 CFR part 372 pursuant to the requirements of section 313 of SARA.
CERCLA	No data
Clean air act (CAA)	Not applicable

SECTION 16: OTHER INFORMATION			
NFPA RATINGS	Health : 1	Flammability :1	Reactivity :1
HMIS RATINGS	Health : 1	Flammability :1	Reactivity :1
	0 = Least 1= slight 2= Moderate 3= High 4=Extreme		

ABBREVIATIONS

STEL	Short term exposure limit
ACGIH	American conference of Government Industrial Hygienists
NIOSH	National institute of safety and health
SARA	Super fund Amendments and Reauthorization Act
TWA	Time weighted average
OSHA	Occupational safety and health
NFPA	National Fire protection agency
HMIS	Hazardous Materials information system
RCRA	Resource conservation Recovery act
TSCA	Toxic substance Control Act
WHMIS	Work place Hazardous Materials information system
IRAC	International Agency for Research on Cancer

MANUFACTURE'S / SUPPLIER'S DATA

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Local Bodies Involved	Collector of Thane		

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Last updated :05/06/2013